

CLAIMS

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What is claimed is:

1. A system for monitoring and tracking at least a portion of a blood component collection procedure in a blood component collection facility, performed upon a donor, by an operator, the system comprising:
 - a blood component collection instrument for collecting a blood component from the donor, the donor having a donor identifier and the blood component collection instrument having a blood collection instrument identifier;
 - a blood component collection kit having a blood component collection kit identifier, the blood component collection kit for collecting the blood component from the donor;
 - a system server being operably connected to the blood component collection instrument, the system server comprising a program having a plurality of code segments, at least one code segment monitoring operation of the blood component collection instrument and at least one other code segment tracking operation of the blood component collection instrument;
 - a memory operably connected to the system server, the memory for storing information received by the system server; and,
 - an interface operably connected to the system server, the interface further having a display for monitoring the at least one portion of the blood component collection procedure.
2. The system of Claim 1 further comprising:
 - a report comprising information from the memory, the information in the memory being selected from the group consisting of data provided by the blood component collection instrument, data provided by the interface and data provided by the donor's medical history.
3. The system of Claim 1 wherein the interface is a management interface, the management interface comprising:
 - a reader for entering information; and,
 - a transmitter for transmitting information to the system server.

4. The system of Claim 3 wherein the management interface further comprises:
a receiver for receiving information from the system server; and,
a web browser cooperating with the system server, the web browser for displaying
information saved in the memory.
5. The system of Claim 3 wherein the reader comprises a touch pad for entering
information into the program.
6. The system of Claim 5 further including a stylus for cooperating with the touch
pad wherein written text can be entered.
7. The system of Claim 3 wherein the reader comprises a keypad for entering
information into the program.
8. The system of Claim 3 wherein the reader comprises an optical scanner for
entering information into the program.
9. The system of Claim 3 wherein the reader comprises a magnetic scanner for
entering information into the program.
10. The system of Claim 1 wherein the display comprises a menu for monitoring
the at least one portion of the blood component collection procedure.
11. The system of Claim 1 wherein the display comprises a menu for tracking the
at least one portion of the blood component collection procedure.
12. The system of Claim 1 wherein the interface is an operator interface, the
operator interface comprising:
a reader for entering information;
a transmitter for wirelessly transmitting information to the system server;
13. The system of Claim 12 wherein the operator interface further comprises:

~~a receiver for wirelessly receiving information from the system server;~~
~~a web browser cooperating with the system server for displaying blood component~~
~~collection facility information;~~

- 5 14. The system of Claim 12 wherein the operator interface utilizes radio frequency to transmit to the system server.
- 10 15. The system of Claim 12 wherein the reader comprises a touch pad for entering information into the program.
- 15 16. The system of Claim 15 further including a stylus for cooperating with the touch pad wherein written text can be entered.
- 20 17. The system of Claim 12 wherein the reader comprises a keypad for entering information into the program.
- 25 18. The system of Claim 12 wherein the reader comprises an optical scanner for entering information into the program.
- 30 19. The system of Claim 12 wherein the reader comprises a magnetic scanner for entering information into the program.
20. The system of Claim 1 further comprising:
an communication conduit operably connecting the blood component collection instrument to the system server; and,
a web interface being operably connected to the system server, the web interface providing access to the system server for monitoring the at least one portion of the blood component collection procedure.
- 30 21. The system of Claim 20 wherein the communication conduit utilizes Ethernet.
22. The system of Claim 20 wherein the communication conduit utilizes TCP/IP.

23. The system of Claim 20 further comprising:

- a network server operably connected to the system server, the network server
5 being capable of connecting to other additional system servers for monitoring for the at
least one portion of the blood component collection procedure of another blood
component collection facility.

24. The system of Claim 1 wherein the display unit comprises an auditory device
10 for providing aural information about the blood component collection process.

25. A system for monitoring and tracking at least a portion of a blood component
collection procedure in a blood component collection facility, performed upon a donor,
by an operator, the system comprising:

15 a blood component collection instrument for collecting a blood component from
the donor, the donor having a donor identifier and the blood component collection
instrument having a blood collection instrument identifier;

20 a blood component collection kit having a blood component collection kit
identifier, the blood component collection kit for collecting the blood component from
the donor;

25 a system server being operably connected to the blood component collection
instrument, the system server comprising a program having a plurality of code segments,
at least one code segment monitoring operation of the blood component collection
instrument and at least one other code segment tracking operations of the blood
component collection instrument;

30 a communication conduit operably connecting the blood component collection
instrument to the system server;

a memory operably connected to the system server, the memory for storing
information received by the system server; and,

35 an interface operably connected to the system server, the interface further having
a display for monitoring the at least one portion of the blood component collection
procedure.

26. ~~The system of Claim 25 wherein the interface is an operator interface, the operator interface comprising:~~

- a reader for entering information; and,
- 5 a wireless transmitter for transmitting information to the system server, with the system server by utilizing the operator interface to transmit the operator identifier to the system server to indicate the operator's involvement with a blood component collection procedure.

27. The system of Claim 26 further comprising:

- 10 a management interface operably connected to the system server;
- a reader for entering information, the reader being operably connected to the management interface; and,
- 15 a web browser embedded within the management interface, the web browser for cooperating with the system server for accessing information stored in memory; and,
- a display operably connected to the management interface for providing access to the information stored in memory.

28. The system of Claim 26 wherein the reader comprises a touch pad for entering information into the program.

- 20 29. The system of Claim 28 further including a stylus for cooperating with the touch pad wherein written text can be entered.

- 30 30. The system of Claim 26 wherein the reader comprises a keypad for entering information into the program.

- 31. The system of Claim 26 wherein the reader comprises an optical scanner for entering information into the program.

- 30 32. The system of Claim 26 wherein the reader comprises a magnetic scanner for ~~entering information into the program.~~

33. The system of Claim 27 wherein the display provides for monitoring the at least one portion of the blood component collection procedure.

34. The system of Claim 27 wherein the display provides for tracking the at least 5 one portion of the blood component collection procedure.

35. The system of Claim 27 wherein the display provides for monitoring the at least one portion of the blood component collection instrument.

10 36. The system of Claim 27 wherein the display provides for tracking the at least one portion of the blood component collection instrument.

37. A method for monitoring and tracking at least a portion of a blood component collection procedure in a blood component collection facility, performed upon a donor, 15 by an operator, the method comprising the steps of:

providing a blood component collection instrument for collecting a blood component from the donor, the donor having a donor identifier and the blood component collection instrument having a blood collection instrument identifier;

providing a blood component collection kit having a blood component collection 20 kit identifier, the blood component collection kit for collecting the blood component from the donor;

providing a system server being operably connected to the blood component collection instrument, the system server comprising a program having a plurality of code segments, at least one code segment monitoring operation of the blood component 25 collection instrument and at least one other code segment tracking operation of the blood component collection instrument;

providing a memory operably connected to the system server, the memory for storing information received by the system server; and,

providing an interface operably connected to the system server, the interface 30 further having a display for monitoring the at least one portion of the blood component collection procedure.

- ~~38. The method of Claim 37 further comprising:~~
receiving information from the blood component collection instrument.
39. The method of Claim 38 wherein the information received from the blood
5 component collection instrument includes a blood component collection process number.
40. The method of Claim 38 wherein the information received from the blood
component collection instrument includes a date and time of setup of the blood
component collection instrument.
- 10 41. The method of Claim 38 wherein the information received from the blood
component collection instrument includes a date and time of a start of the blood
component collection process.
- 15 42. The method of Claim 38 wherein the information received from the blood
component collection instrument includes a date and time of blood component removal.
43. The method of Claim 38 wherein the information received from the blood
component collection instrument includes an amount of the blood component collection
20 instruments utilized during the bleed.
44. The method of Claim 38 wherein the information received from the blood
component collection instrument includes an amount of alarms associated with the blood
component collection instrument utilized during the blood component collection process.
- 25 45. The method of Claim 38 wherein the information received from the blood
component collection instrument includes a volume of the blood component collected.
46. The method of Claim 38 wherein the information received from the blood
30 component collection instrument includes the donor identifier.
- ~~47. The method of Claim 38 wherein the information received from the blood~~

~~component collection instrument includes the operator's identifier.~~

48. The method of Claim 38 wherein the information received from the blood component collection instrument includes a date and time of arm prepping of the donor.

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49. The method of Claim 38 wherein the information received from the blood component collection instrument includes a medical history of the donor.

50. The method of Claim 38 further comprising generating a report in utilizing
10 the information received by the system server.

51. A medium readable by a computer, the medium having an operating interface for monitoring and tracking at least a portion of a blood component collection procedure in a blood component collection facility, performed upon a donor, by an operator, the
15 medium comprising:

a first segment for reading information from a blood component collection instrument;
a second segment for storing the information from the blood component collection instrument in a system server;
20 a third segment for reading information from an interface; and,
a fourth segment for storing the information from the interface in the system server.

52. The medium of Claim 51 further comprising a fifth segment for determining
25 eligibility of the donor.

53. The medium of Claim 51 further comprising:
a sixth segment for generating a bleed number.
a seventh segment for linking the blood component collection instrument to the
30 bleed number; and,
an eighth segment for linking the donor to the bleed number.

54. The medium of Claim 51 further comprising:

a ninth segment for monitoring the at least a portion of the blood component collection procedure by utilizing the information receive from the blood component collection instrument.

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55. The medium of Claim 51 further comprising:

a tenth segment for reading a blood component collection kit identifier associated with a blood component collection kit;

10 a eleventh segment for storing the blood component collection kit identifier in the system server; and,

a twelfth segment for linking the blood component collection kit with the bleed number.

56. The medium of Claim 51 further comprising:

15 a thirteenth segment for generating a report utilizing the information received from the blood component collection instrument.

57. The medium of Claim 56 further comprising:

20 a fourteenth segment for generating a report in utilizing the information received from the interface.